

Title (en)  
Fastening device for a purge ring

Title (de)  
Befestigungsvorrichtung für Spülgasring

Title (fr)  
Dispositif de fixation d'un anneau de purge

Publication  
**EP 1126047 A1 20010822 (EN)**

Application  
**EP 01301314 A 20010215**

Priority  
US 50428800 A 20000215

Abstract (en)  
A fastening device which prevents rotational and vertical displacement of a purge ring caused by purge gas exiting the purge ring or caused by other processing conditions. The fastening device comprises a clamp (20) which releasably holds the purge ring (19) together with the wafer support (11,13,14). A pin (21) is inserted into a bore through the purge ring (19), wafer support (11) and the clamp (20) to releasably secure the clamp in place. Slots (22) may be formed in the purge ring (19) to guide placement of the clamp.

IPC 1-7  
**C23C 16/458; C30B 25/12; H01L 21/00**

IPC 8 full level  
**H01L 21/683** (2006.01); **H01L 21/205** (2006.01); **H01L 21/31** (2006.01); **H01L 21/687** (2006.01)

CPC (source: EP KR US)  
**C23C 16/4583** (2013.01 - KR); **H01L 21/67017** (2013.01 - KR); **H01L 21/68721** (2013.01 - EP KR US); **H01L 21/68735** (2013.01 - EP KR US);  
**H01L 21/68742** (2013.01 - KR)

Citation (search report)

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- [Y] US 5688331 A 19971118 - ARUGA MICHIO [JP], et al
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Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)  
**US 6223447 B1 20010501**; EP 1126047 A1 20010822; JP 2001351967 A 20011221; JP 5048185 B2 20121017; KR 20010082657 A 20010830;  
SG 86457 A1 20020219; TW 480327 B 20020321

DOCDB simple family (application)  
**US 50428800 A 20000215**; EP 01301314 A 20010215; JP 2001038834 A 20010215; KR 20010007507 A 20010215; SG 200100809 A 20010215;  
TW 90103058 A 20010212